

# Ragab E Abou Zeid

## List of Publications by Citations

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54  
papers

1,524  
citations

22  
h-index

38  
g-index

60  
ext. papers

2,005  
ext. citations

4.3  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
54	Development of wheat gluten/nanocellulose/titanium dioxide nanocomposites for active food packaging. <i>Carbohydrate Polymers</i> , <b>2015</b> , 124, 337-46	10.3	180
53	Current State and New Trends in the Use of Cellulose Nanomaterials for Wastewater Treatment. <i>Biomacromolecules</i> , <b>2019</b> , 20, 573-597	6.9	146
52	Biomimetic Mineralization of Three-Dimensional Printed Alginate/TEMPO-Oxidized Cellulose Nanofibril Scaffolds for Bone Tissue Engineering. <i>Biomacromolecules</i> , <b>2018</b> , 19, 4442-4452	6.9	103
51	Effect of cationic and anionic surfactants on the application of calcium carbonate nanoparticles in paper coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2734-44	9.5	101
50	Biomass pyrolysis: past, present, and future. <i>Environment, Development and Sustainability</i> , <b>2020</b> , 22, 17-32	7.5	79
49	Novel method of preparation of tricarboxylic cellulose nanofiber for efficient removal of heavy metal ions from aqueous solution. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 207-214	7.9	74
48	Novel nanofibrillated cellulose/chitosan nanoparticles nanocomposites films and their use for paper coating. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 219-226	5.9	71
47	Multifunctional cellulose nanocrystal /metal oxide hybrid, photo-degradation, antibacterial and larvicidal activities. <i>Carbohydrate Polymers</i> , <b>2020</b> , 230, 115711	10.3	69
46	Microfibrillated cellulose from agricultural residues. Part I: Papermaking application. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 161-174	5.9	57
45	Membranes Based on Cellulose Nanofibers and Activated Carbon for Removal of Escherichia coli Bacteria from Water. <i>Polymers</i> , <b>2017</b> , 9,	4.5	50
44	Modified wheat gluten as a binder in particleboard made from reed. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 3592-3599	2.9	43
43	In situ mineralization of nano-hydroxyapatite on bifunctional cellulose nanofiber/polyvinyl alcohol/sodium alginate hydrogel using 3D printing. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 538-547	7.9	41
42	Crosslinked alginate/silica/zinc oxide nanocomposite: A sustainable material with antibacterial properties. <i>Composites Communications</i> , <b>2018</b> , 7, 7-11	6.7	39
41	Effect of xylanase pretreatment of rice straw unbleached soda and neutral sulfite pulps on isolation of nanofibers and their properties. <i>Cellulose</i> , <b>2018</b> , 25, 2939-2953	5.5	33
40	Use of Cellulose and Oxidized Cellulose Nanocrystals from Olive Stones in Chitosan Bionanocomposites. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-11	3.2	31
39	Use of Bacterial Cellulose and Crosslinked Cellulose Nanofibers Membranes for Removal of Oil from Oil-in-Water Emulsions. <i>Polymers</i> , <b>2017</b> , 9,	4.5	28
38	TEMPO-oxidized cellulose nanofibers/polylactic acid/TiO <sub>2</sub> as antibacterial bionanocomposite for active packaging. <i>Egyptian Journal of Chemistry</i> , <b>2017</b> , 60, 4-8	2	26

37	Carboxymethyl cellulose/silica hybrids as templates for calcium phosphate biomimetic mineralization. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 155-61	7.9	25
36	Plant proteins as binders in cellulosic paper composites. <i>International Journal of Biological Macromolecules</i> , <b>2010</b> , 47, 82-5	7.9	25
35	Oxidized alginate/gelatin decorated silver nanoparticles as new nanocomposite for dye adsorption. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 1280-1286	7.9	24
34	Nanocomposite Film Based on Cellulose Acetate and Lignin-Rich Rice Straw Nanofibers. <i>Materials</i> , <b>2019</b> , 12,	3.5	23
33	Water purification ultrafiltration membranes using nanofibers from unbleached and bleached rice straw. <i>Scientific Reports</i> , <b>2020</b> , 10, 11278	4.9	22
32	Antimicrobial cellulosic hydrogel from olive oil industrial residue. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 179-188	7.9	21
31	Soy protein hydrolysate grafted cellulose nanofibrils with bioactive signals for bone repair and regeneration. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115472	10.3	20
30	Cellulose nanocrystals and carboxymethyl cellulose from olive stones and their use to improve paper sheets properties. <i>International Journal of Nanoparticles</i> , <b>2014</b> , 7, 261	0.4	19
29	Metallo-Terpyridine-Modified Cellulose Nanofiber Membranes for Papermaking Wastewater Purification. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 439-447	3.2	17
28	Surfactant-Assisted Poly(lactic acid)/Cellulose Nanocrystal Bionanocomposite for Potential Application in Paper Coating. <i>Journal of Renewable Materials</i> , <b>2018</b> , 6, 394-401	2.4	17
27	FUNCTIONALIZATION AND CROSS-LINKING OF CARBOXYMETHYL CELLULOSE IN AQUEOUS MEDIA. <i>Cellulose Chemistry and Technology</i> , <b>2019</b> , 53, 23-33	1.9	15
26	Cellulose nanocrystals decorated with gold nanoparticles immobilizing GOx enzyme for non-invasive biosensing of human salivary glucose. <i>Analytical Methods</i> , <b>2019</b> , 11, 6073-6083	3.2	14
25	Grafted TEMPO-oxidized cellulose nanofiber embedded with modified magnetite for effective adsorption of lead ions. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 1091-1101	7.9	14
24	Nanocellulose-Based Materials for Water Treatment: Adsorption, Photocatalytic Degradation, Disinfection, Antifouling, and Nanofiltration. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	13
23	Effect of Unbleached Rice Straw Cellulose Nanofibers on the Properties of Polysulfone Membranes. <i>Polymers</i> , <b>2019</b> , 11,	4.5	11
22	Removal of Cu(II), Pb(II), Mg(II), and Fe(II) by Adsorption onto Alginate/Nanocellulose Beads as Bio-Sorbent. <i>Journal of Renewable Materials</i> , <b>2021</b> , 9, 601-613	2.4	11
21	CARBOXYLATED CELLULOSE NANOFIBERS AS A NOVEL EFFICIENT ADSORBENT FOR WATER PURIFICATION. <i>Cellulose Chemistry and Technology</i> , <b>2020</b> , 54, 237-245	1.9	10
20	Calcium phosphate mineralization controlled by carboxymethyl cellulose-g-polymethacrylic acid. <i>Soft Materials</i> , <b>2016</b> , 14, 154-161	1.7	9

19	Characterization of composite materials based on LDPE loaded with agricultural tunisian waste. <i>Polymer Composites</i> , <b>2015</b> , 36, 817-824	3	8
18	Polyvinylidene Fluoride / Cellulose Nanocrystals Nanofiber Membrane for Energy Harvesting and Oil Water Separation Applications. <i>Materials Letters</i> , <b>2021</b> , 130965	3.3	6
17	Ionic chitosan/silica nanocomposite as efficient adsorbent for organic dyes. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 188, 404-410	7.9	6
16	Development of semiconductive foams based on cellulose- benzenesulfonate/CuFe <sub>2</sub> O <sub>4</sub> -nanoparticles and theoretical studies with DFT/ B3PW91/LANDZ2 basis set. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1247, 131390	3.4	6
15	Synthesis and characterization of thermoplastic starch/PVA/cardanol oil composites loaded with in-situ silver nanoparticles. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51511	2.9	5
14	Mineralized Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporating Cellulose Nanofibrils for Bone and Wound Healing.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	3
13	Nanofibrillated cellulose/glucosamine 3D aerogel implants loaded with rosuvastatin and bioactive ceramic for dental socket preservation.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 616, 121549	6.5	2
12	Cellulose-Silver Composites Materials: Preparation and Applications. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
11	Enhancement of photocatalytic and biological activities of chitosan/activated carbon incorporated with TiO nanoparticles. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	2
10	LIQUID CRYSTALLINE PROPERTIES OF HYDROXYPROPYL CELLULOSE PREPARED FROM DISSOLVED EGYPTIAN BAGASSE PULP. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 13-22	1.9	1
9	Preparation and Characterization of Eco-friendly Carboxymethyl Cellulose Antimicrobial NanocompositeHydrogels. <i>Journal of Renewable Materials</i> , <b>2018</b> ,	2.4	1
8	Effective adsorption of cationic methylene blue dye on cellulose nanofiber/graphene oxide/silica nanocomposite: Kinetics and equilibrium. <i>Journal of Applied Polymer Science</i> , 52377	2.9	1
7	Novel pseudopolyrotaxane composite based on biopolymers: Synthesis, characterization and application in water treatment. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2022</b> , 17, 100639	3.3	0
6	New Sustainable Ionic Polysaccharides Fibers Assist Calcium Phosphate Mineralization as Efficient Adsorbents. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 1526	2	0
5	Mineralized nanocomposite scaffolds based on soy protein grafted oxidized cellulose for biomedical applications. <i>Materials Today: Proceedings</i> , <b>2021</b> , 34, 16-20	1.4	0
4	Nanocellulose Membranes for Water/Oil Separation <b>2021</b> , 1-37		
3	PREPARATION AND PROPERTIES OF NOVEL BIOCOMPATIBLE PECTIN/SILICA CALCIUM PHOSPHATE HYBRIDS. <i>Cellulose Chemistry and Technology</i> , <b>2022</b> , 56, 371-378	1.9	
2	EVALUATION OF STARCH AND CELLULOSE BASED CONSOLIDATION MATERIALS ON THE MECHANICAL PROPERTIES OF PAPYRUS. <i>Cellulose Chemistry and Technology</i> , <b>2022</b> , 56, 391-401	1.9	

- 1 Nanocellulose Membranes for Water/Oil Separation **2022**, 933-970